

## EAST Search History

| Ref # | Hits | Search Query                            | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 15   | qiao-jinliang.in. qiao-jinliang-\$in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L2    | 15   | liu-yiqun.in. liu-yiqun-\$in.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L3    | 16   | zhang-xiaohong.in. zhang-xiaohong-\$in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L4    | 14   | gao-jianming.in. gao-jianming-\$in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L5    | 13   | wei-genshuan.in. wei-genshuan-\$in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L6    | 13   | zhang-shijun.in. zhang-shijun-\$in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L7    | 12   | song-zhihai.in. song-zhihai-\$in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L8    | 9    | li-jiuqiang.in. li-jiuqiang-\$in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L9    | 2    | zhuang-dechuan.in. zhuang-dechuan-\$in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR               | ON      | 2007/08/08 14:20 |
| L10   | 20   | L1 L2 L3 L4 L5 L6 L7 L8 L9              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR               | ON      | 2007/08/08 14:21 |

## EAST Search History

|     |        |   |   |    |    |                  |
|-----|--------|---|---|----|----|------------------|
| L11 | 4582   | (china with (petroleum chemical petro petrochemical)).as. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:22 |
| L12 | 608946 | (sphere spheroid\$ spheric\$)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2007/08/08 14:23 |
| L13 | 12505  | (rubber elastomer elastom\$6 vulcaniz\$) with L12         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2007/08/08 14:23 |
| L14 | 8245   | (fully completely complet\$6) with vulcaniz\$             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:24 |
| L15 | 66659  | thermoplastic near2 (elastomer rubber)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:24 |
| L16 | 9      | (110 111) and 115 and 114                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:31 |
| L17 | 4      | (110 111) and 115 and 114 and 112                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:31 |
| L18 | 1146   | latex with (radiat\$3 irradiat\$3)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:31 |
| L19 | 6      | (110 111) and 115 and 114 and (112 118)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:34 |
| L20 | 16     | (110 111) and (115 114) and (112 118)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:45 |

## EAST Search History

|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| L21 | 69    | I13 and I14 and I15   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:46 |
| L22 | 84    | I14 and I15 and (I13 I18)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:48 |
| L23 | 16    | I14 and I15 and (I13 I18) and I18   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:48 |
| S1  | 7564  | (fully completely complet\$6) with vulcaniz\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2005/03/25 16:53 |
| S2  | 787   | ((rubber elastomer elastom\$6) with phase) same ((average "ave") near5 (size diameter))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2005/03/25 16:55 |
| S3  | 24    | S1 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2004/09/02 15:38 |
| S4  | 66004 | (rubber elastomer elastomer\$) with vulcaniz\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2004/09/02 15:49 |
| S5  | 76    | S2 and S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2004/09/02 15:49 |
| S6  | 32    | ((rubber elastomer elastom\$6) with phase) same ((average "ave") near5 (size diameter)) same vulcaniz\$ | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2004/09/02 16:33 |
| S7  | 30    | S4 and S6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB          | OR | ON | 2004/09/02 16:19 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| S8  | 3    | "6423760"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:23 |
| S9  | 2    | us-20030105217-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:29 |
| S10 | 5    | "6096830".pn. "5298211".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:30 |
| S11 | 2    | jp-08113679-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:30 |
| S12 | 1    | jp-01178282-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:30 |
| S13 | 2    | jp-10314341-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:31 |
| S14 | 9    | S10 S11 S12 S13   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:31 |
| S15 | 2296 | ((rubber rubbery elastomer elastom\$6) with (phase powder powdery))<br>same ((average "ave") near5 (size diameter)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:35 |
| S16 | 45   | S1 and S15  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:34 |
| S17 | 1167 | ((rubber rubbery elastomer elastom\$6) with (phase powder powdery))<br>same (sphere spheroid\$ spheric\$)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:23 |
| S18 | 20   | S1 and S17  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:36 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S19 | 262  | ((rubber rubbery elastomer elastom\$6) with (phase powder powdery)) same S1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:37 |
| S20 | 3918 | (fully completely complet\$6) near3 vulcaniz\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:37 |
| S21 | 142  | ((rubber rubbery elastomer elastom\$6) with (phase powder powdery)) same S20   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/02 16:37 |
| S22 | 3905 | (fully completely complet\$6) with vulcaniz\$ with (rubber rubber\$6 elastomer elastomer\$ styrene butadiene styrenebutadiene nitrile polybutadiene chloroprene silicone acrylic vinylpyridine styrenebutadienevinylpyridine butadienevinylpyridine isoprene butyl ethylenepropylene "ethylene-propylene" polysulfide acrylic butadiene polyurethane fluorine)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:25 |
| S23 | 787  | ((rubber elastomer elastom\$6) with phase) same ((average "ave") near5 (size diameter))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 12:33 |
| S24 | 787  | S23  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 12:33 |
| S25 | 287  | ((rubber elastomer elastom\$6) with phase) same (sphere spher\$5 spheroid spheroid\$5)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 12:34 |
| S26 | 20   | S22 and S24  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:04 |
| S27 | 7    | S22 and S25  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 12:35 |
| S28 | 4    | S27 not S26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:04 |
| S29 | 73   | (fully completely complet\$6) with vulcaniz\$ with (rubber rubber\$6 elastomer elastomer\$ styrene butadiene styrenebutadiene nitrile polybutadiene chloroprene silicone acrylic vinylpyridine styrenebutadienevinylpyridine butadienevinylpyridine isoprene butyl ethylenepropylene "ethylene-propylene" polysulfide acrylic butadiene polyurethane fluorine) with (powder powder\$6) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:08 |

## EAST Search History

|     |    |   |  |    |    |                  |
|-----|----|---|--|----|----|------------------|
| S30 | 70 | S29 not S27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:08 |
| S31 | 67 | S29 not S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:09 |
| S32 | 71 | S30 S31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:09 |
| S33 | 49 | S32 same (blend blend\$5 mix mixed mixed mixture)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:10 |
| S34 | 67 | "I18" same (blend blend\$5 mix mixed mixed mixture) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:12 |
| S35 | 67 | S34 not S27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:11 |
| S36 | 67 | S34 not S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:11 |
| S37 | 51 | S29 same (blend blend\$5 mix mixed mixed mixture)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:12 |
| S38 | 45 | S37 not S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:12 |
| S39 | 48 | S37 not S27   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:12 |
| S40 | 49 | S38 S39   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:23 |

## EAST Search History

|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S41 | 463    | 525/55.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:25 |
| S42 | 6      | S22 and S41   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2004/09/04 13:25 |
| S43 | 7708   | ((fully completely complet\$6) with vulcaniz\$  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 09:33 |
| S44 | 14108  | ((rubber elastomer elastom\$6) with phase)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 16:55 |
| S45 | 437    | S43 and S44   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 16:55 |
| S46 | 806    | ((rubber elastomer elastom\$6) with phase) same ((average "ave") near5 (size diameter)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 09:34 |
| S47 | 24     | S43 and S46   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 17:17 |
| S48 | 18     | S43 with matrix with phase  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 17:17 |
| S49 | 312247 | ((domain phase average "ave") near5 (size diameter))                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 17:30 |
| S50 | 5      | S48 and S49   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 17:44 |
| S51 | 5      | S48 and S49 and S43   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/03/25 17:44 |

## EAST Search History

|     |       |  |  |    |     |                  |
|-----|-------|--|--|----|-----|------------------|
| S52 | 2     | "5082732".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/04/01 12:08 |
| S53 | 1     | 1990-008611.NRAN.  | DERWENT  | OR | OFF | 2005/04/01 12:03 |
| S54 | 0     | "5082732".pn. and vulcan\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/04/01 12:11 |
| S55 | 1     | ep-215959-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/04/01 12:12 |
| S56 | 1     | 1986-291654.NRAN.  | DERWENT  | OR | OFF | 2005/04/01 12:12 |
| S57 | 1     | ep-1262510-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/04/01 12:12 |
| S58 | 7826  | (fully completely complet\$6) with vulcaniz\$                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/10/19 09:33 |
| S59 | 14635 | (rubber elastomer elastom\$6) same (average "ave") near5 (size diameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/10/19 09:50 |
| S60 | 238   | S58 and S59  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/10/19 09:51 |
| S61 | 55969 | thermoplastic near2 (elastomer rubber)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/08/08 14:23 |
| S62 | 69    | S60 and S61  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/02/09 12:12 |
| S63 | 6     | "5889119"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2005/10/19 10:59 |



## EAST Search History

|     |    |   |  |    |    |                  |
|-----|----|---|--|----|----|------------------|
| S64 | 25 | "5411215"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:07 |
| S65 | 12 | qiao-jinliang.in. qiao-jinliang-\$.in.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:08 |
| S66 | 13 | liu-yiqun.in. liu-yiqun-\$.in.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:08 |
| S67 | 14 | zhang-xiaohong.in. zhang-xiaohong-\$.in.                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:09 |
| S68 | 12 | gao-jianming.in. gao-jianming-\$.in.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:09 |
| S69 | 11 | wei-genshuan.in. wei-genshuan-\$.in.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:09 |
| S70 | 9  | zhang-shijun.in. zhang-shijun-\$.in.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:10 |
| S71 | 11 | song-zhihai.in. song-zhihai-\$.in.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:10 |
| S72 | 7  | li-jiuqiang.in. li-jiuqiang-\$.in.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:11 |
| S73 | 2  | zhuang-dechuan.in. zhuang-dechuan-\$.in.                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:11 |
| S74 | 2  | S65 and S66 and S67 and S68 and S69 and S70 and S71 and S72 and S73 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:12 |

## EAST Search History

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S75 | 16    | S65 S66 S67 S68 S69 S70 S71 S72 S73                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:12 |
| S76 | 10    | S75 and S58  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2005/10/19 11:13 |
| S77 | 7898  | (fully completely complet\$6) with vulcaniz\$                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S78 | 14876 | (rubber elastomer elastom\$6) same (average "ave") near5 (size diameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:23 |
| S79 | 246   | S77 and S78  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S80 | 57801 | thermoplastic near2 (elastomer rubber)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S81 | 75    | S79 and S80  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:14 |
| S82 | 12    | qiao-jinliang.in. qiao-jinliang-\$in.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S83 | 13    | liu-yiqun.in. liu-yiqun-\$in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S84 | 14    | zhang-xiaohong.in. zhang-xiaohong-\$in.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S85 | 12    | gao-jianming.in. gao-jianming-\$in.                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |

## EAST Search History

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S86 | 11    | wei-genshuan.in. wei-genshuan-\$.in.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S87 | 9     | zhang-shijun.in. zhang-shijun-\$.in.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S88 | 11    | song-zhihai.in. song-zhihai-\$.in.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S89 | 7     | li-jiuqiang.in. li-jiuqiang-\$.in.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S90 | 2     | zhuang-dechuan.in. zhuang-dechuan-\$.in.                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S91 | 16    | S82 S83 S84 S85 S86 S87 S88 S89 S90                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:12 |
| S92 | 16    | S91  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/02/09 12:13 |
| S93 | 4     | S91 and S81  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S94 | 8035  | (fully completely complet\$6) with vulcaniz\$                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S95 | 15409 | (rubber elastomer elastom\$6) same (average "ave") near5 (size diameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S96 | 258   | S94 and S95  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |

## EAST Search History

|      |       |  |  |    |    |                  |
|------|-------|--|--|----|----|------------------|
| S97  | 61189 | thermoplastic near2 (elastomer rubber)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S98  | 84    | S96 and S97                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:15 |
| S99  | 15    | qiao-jinliang.in. qiao-jinliang-\$.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S100 | 15    | liu-yiqun.in. liu-yiqun-\$.in.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S101 | 16    | zhang-xiaohong.in. zhang-xiaohong-\$.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S102 | 14    | gao-jianming.in. gao-jianming-\$.in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S103 | 13    | wei-genshuan.in. wei-genshuan-\$.in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S104 | 12    | zhang-shijun.in. zhang-shijun-\$.in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S105 | 12    | song-zhihai.in. song-zhihai-\$.in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S106 | 9     | li-jiuqiang.in. li-jiuqiang-\$.in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |
| S107 | 2     | zhuang-dechuan.in. zhuang-dechuan-\$.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:45 |

## EAST Search History

|      |    |   |  |    |    |                  |
|------|----|---|--|----|----|------------------|
| S108 | 19 | S99 S100 S101 S102 S103 S104 S105 S106 S107 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S109 | 4  | S108 and S98                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/09/01 09:48 |
| S110 | 15 | qiao-jinliang.in. qiao-jinliang-\$.in.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S111 | 15 | liu-yiqun.in. liu-yiqun-\$.in.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S112 | 16 | zhang-xiaohong.in. zhang-xiaohong-\$.in.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S113 | 14 | gao-jianming.in. gao-jianming-\$.in.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S114 | 13 | wei-genshuan.in. wei-genshuan-\$.in.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S115 | 12 | zhang-shijun.in. zhang-shijun-\$.in.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S116 | 12 | song-zhihai.in. song-zhihai-\$.in.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S117 | 9  | li-jiuqiang.in. li-jiuqiang-\$.in.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |
| S118 | 2  | zhuang-dechuan.in. zhuang-dechuan-\$.in.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 13:44 |

## EAST Search History

|      |        |  |  |    |     |                  |
|------|--------|--|--|----|-----|------------------|
| S119 | 19     | S110 S111 S112 S113 S114 S115 S116 S117 S118                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/08/08 14:20 |
| S120 | 1      | ep-1262510-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 13:48 |
| S121 | 1      | 2001-502387.NRAN.  | DERWENT  | OR | OFF | 2006/12/21 13:51 |
| S122 | 8092   | (fully completely complet\$6) with vulcaniz\$                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2007/08/08 14:23 |
| S123 | 15669  | (rubber elastomer elastom\$6) same (average "ave") near5 (size diameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:24 |
| S124 | 267    | S122 and S123  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:15 |
| S125 | 62983  | thermoplastic near2 (elastomer rubber)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:15 |
| S126 | 88     | S124 and S125  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:15 |
| S127 | 15669  | (rubber elastomer elastom\$6) same (average "ave") near5 (size diameter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:23 |
| S128 | 583590 | (sphere spheroid\$ spheric\$)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:23 |
| S129 | 61     | S124 and S128  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:25 |
| S130 | 11992  | (rubber elastomer elastom\$6) with S128                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON  | 2006/12/21 14:25 |

## EAST Search History

|      |       |  |  |    |    |                  |
|------|-------|--|--|----|----|------------------|
| S131 | 28    | S124 and S130  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:25 |
| S132 | 12120 | (rubber elastomer elastom\$6 vulcaniz\$) with S128   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2007/08/08 14:23 |
| S133 | 30    | S124 and S132  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:27 |
| S134 | 184   | (ground grinding granulat\$ pulveriz\$) with (rubber elastomer elastom\$6) with S128                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:28 |
| S135 | 10    | (ground grinding granulat\$ pulveriz\$) with (rubber elastomer elastom\$6) with S128 with vulcaniz\$ | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:30 |
| S136 | 4     | figure with S134   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:31 |
| S137 | 4     | (figure fig) with S134   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:33 |
| S138 | 4     | (figure "fig" "fig.") with S134  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:32 |
| S139 | 4     | (figure "fig" "fig." "fig 1" "fig 2" "fig3") with S134   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/12/21 14:32 |